

# Optimization of burning process of hydrocarbon fuels with varying specific heat of combustion

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## Abstract

© Published under licence by IOP Publishing Ltd. This article explores the combustion of gaseous fuel in the case of an abrupt change of the specific heat of combustion. Analyzes the changes in the rate of heat when the fuel and air flows are constant. Defines the conditions for which retained the initial rate of heat release and optimal fuel-air ratio.

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